

In the Claims

Please amend claims 3 - 6, 10 - 13 and 15 as follows:

3. (Presently Amended) A method according to claim 1 [or 2] wherein the winding is formed from high temperature superconductors.
4. (Presently Amended) A method according to [any one of the preceding claims] claim 1 including the step of forming each winding group from a single uninterrupted length of conductor.
5. (Presently Amended) A method according to [any one of the preceding claims] claim 1 wherein each conductor turn includes a plurality of conductors.
6. (Presently Amended) A method according to [any one of the preceding claims] claim 1 wherein the winding groups are spaced and stacked vertically.
10. (Presently Amended) A winding according to claim 8 [or 9] wherein the winding uses high temperature superconductors.
11. (Presently Amended) A winding according to [any one of the preceding claims] claim 8 wherein each winding group is formed from a single uninterrupted length of conductor.
12. (Presently Amended) A winding according to [any one of] claim[s] 8 [to 11] wherein each conductor turn includes a plurality of conductors.
13. (Presently Amended) A winding according to [any one of] claim[s] 8 [to 12] wherein the winding groups are spaced and stacked vertically.

15. (Presently Amended) A high voltage transformer [including] comprising:

a winding [according to any of claims 8 to 14] including a predetermined number of spaced winding groups joined to form a single winding of the transformer, each spaced winding group being solenoid wound from a predetermined number of turns.

Each of these claims is believed to be new, non-obvious and useful. A favorable action on the merits is therefore earnestly solicited.

Respectfully submitted,

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